

By Robert Quinn

A PP40 printer program for the VZ-200, it allows you to use your VZ-200 as a typewriter, LPRINTING in upper case, lower case, normal or inverse print, and to LPRINT graphics.

Instructions

Switch on your PP40 printer plotter. RUN the program and a blinking cursor will appear on a black screen to indicate your start position. Type using any of the character keys on the keyboard by themselves or with the SHIFT key held down. The corresponding characters will print on the screen and LPRINT to your PP40 printer.

LPRINTER starts up in normal upper case mode. Press the CTRL key to shift to lower case LPRINTING; and press the CTRL key again to return to upper case LPRINTING.

Hold the SHIFT key and press the X key to shift to inverse printing and LPRINTING: inverse LPRINTING is distinguished from normal LPRINTING by underlining.

A carriage return will operate automatically to start a new line when the end of the line is reached, though the end of the LPRINTER line (40 characters) will not correspond with the end of the screen line (32 characters).

A carriage return can be accomplished any time by pressing the RETURN key.

Backspacing to the start of the LPRINTER line can be accomplished by holding the SHIFT key and pressing the B key. Everytime SHIFT and B are pressed the pen holder will move left one character. The screen cursor will backspace as well, but will erase characters it passes over.

The screen cursor will blink a hash sign when the 35th position on the cursor LPRINTER line is reached and a hi-lo warning buzz will sound to indicate that you are nearing the end of the LPRINTER line.

The VZ-200 supports sixteen graphic characters. LPRINTER LPRINTS graphic characters but does not uniquely define every one of the sixteen. In the categories that follow the letters designate the letter keys by which (with the SHIFT key held down) the corresponding screen graphic characters are accessed. The number following each letter is the ASCII code for the graphic character. Then follows a line of the LPRINTER graphic character that defines those screen graphic characters. You may wish to refine the definition of screen graphics so as to give each screen graphic character a unique LPRINTER character.

[illegible]

A COPY subroutine is RUN from within the program by holding the SHIFT key and pressing the C key, producing a printout of the entire contents of the screen — normal, INVERSE and graphics.

With LPRINTER CLOAded but not RUNning the COPY subroutine can be used directly by entering the command GOSUB300 and pressing the RETURN key.

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5 REM LPRINTER FOR VZ200 BY ROBERT QUINN
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10 COLOR,1:SOUND0,2:CLS

20 FORR=1TO2STEP0:IFPEEK(26875)=249THENS
OUND20,1:P=NOTP
22 IFPEEK(26875)=243THENLPRINTCHR$(13);:
LPRINT:D=0:GOSUB300
25 IFPEEK(26877)=251THENK=NOTK:SOUND20,1

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26 IFPEEK(26875)=250ANDD>0THENGOSUB200
27 IFC=20ANDD=35THENPRINT"#";CHR$(8);:
GOTO29
28 IFC=20THENPRINT"_";CHR$(8);
29 C=C+1:IFC=40THENC=1:PRINT" ";CHR$(8);
30 B$=INKEY$:A$=INKEY$:IFA$<>" "THENSOUND
10,1:GOSUB50
40 A$="":NEXT

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50 A=ASC(A*);B=A:IFP=-1ANDA>31ANDA<64THE
NB=B+132
60 IFP=-1ANDA>63ANDA<128THENB=B+128
65 IFK=-1ANDA>63ANDA<95THENA=A+32
70 IFA>127THENGOSUB110:GOTO90
80 LPRINTCHR*(A);
90 IFP=-1ANDA<127ANDA>31THENLPRINTCHR*(B
);CHR*(95);
95 IFB=13THENPRINT" ";CHR*(8);:D=-1
100 PRINTCHR*(B);:D=D+1:IFD=35THENSOUND3
1,2;20,1
102 IFD=41THEND=1
105 RETURN
110 IFA=133ORA=138THENLPRINTCHR*(85);CHR
*(8);CHR*(84);:RETURN
120 IFA=131ORA=140THENLPRINTCHR*(85);CHR
*(8);CHR*(69);:RETURN
130 IFA=137THENGOSUB190:LPRINTCHR*(92);:
RETURN
140 IFA=134THENGOSUB190:LPRINTCHR*(47);:
RETURN
150 IFA=143THENLPRINTCHR*(79);CHR*(8);CH
R*(85);:RETURN
160 IFA=128THENGOSUB190:LPRINTCHR*(42);C
HR*(8);CHR*(35);:RETURN
165 IFA=135ORA>138THENGOSUB190:LPRINTCHR

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*(43);:RETURN
170 LPRINTCHR*(127);:RETURN
190 LPRINTCHR*(79);CHR*(8);CHR*(85);CHR*
(8);:RETURN
200 SOUND10,1:PRINT" ";CHR*(8);CHR*(8);:
LPRINTCHR*(8);
210 D=D-1:RETURN
300 FORT=28672TO29183:A=PEEK(T)
310 IFA<32THENLPRINTCHR*(A+64);ELSEIFA<6
4THENLPRINTCHR*(A);
320 IFA>63ANDA<96THENLPRINTCHR*(A);CHR*(
8);CHR*(95);
330 IFA>95ANDA<128THENLPRINTCHR*(A-64);C
HR*(8);CHR*(95);
340 IFA>127THENGOSUB370
350 D=D+1:IFD=32THEND=0:LPRINTCHR*(13);
360 NEXT:D=0:LPRINTCHR*(13);:LPRINT:RETU
RN
370 IFA>143THENA=A-16:GOTO370
380 GOSUB110:RETURN

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PCG. Nov 84 1(4) p 55-56 2 of 2.